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## **AMENDMENTS TO THE CLAIMS**

This listing of claims replaces all prior versions and listings of claims in the application:

1. (Currently Amended) A brush head for an electric toothbrush, the brush head comprising

a brush head support;

a bristle support carrying an array of bristles and mounted for movement on the brush head support, said bristle support comprising multiple bristle support segments movable relative to each other, the multiple bristle support segments including a first support segment that rotates about a first axis, and a second support segment that rotates about the first axis and that selectively swivels about a second axis, and

driving elements that change the position of the movable bristle support segments relative to each other as a function of a position of said bristle support,

wherein said driving elements are provided on the brush head support and at least one of the bristle support segments and comprise a cam control surface and an engagement element cooperating therewith.

- 2. (Currently Amended) The brush head of claim 1 wherein the bristle support is mounted for rotation about an the first axis of rotation, and wherein the cam control surface is arranged on an arc about the <u>first</u> axis of rotation.
- 3. (Previously Presented) The brush head of claim 1 wherein multiple bristle support segments are adapted to be driven in dependence upon rotary position of the bristle support, with the cam control surface including several sections, one of which sections being associated with a corresponding one of the bristle support segments.

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4. (Previously Presented) The brush head of claim 1 wherein the cam control surface and the engagement element cooperating therewith are always in relative engagement and act in opposed directions of movement.

- 5. (Previously Presented) The brush head of claim 1 wherein the cam control surface and the engagement element cooperating therewith are disengageable from each other and maintained in relative engagement by reaction forces developing while brushing the teeth.
- 6. (Currently Amended) The brush head of claim 1 wherein construction of the driving elements and mounting of the movable bristle support segments are such that upon rotation of the bristle support about an the first axis of rotation, at least some of said bristle support segments execute a poking motion in a direction of the first axis of rotation.
- 7. (Previously Presented) The brush head of claim 1 wherein the bristle support has a neutral position from which the bristle support is drivable in oscillatory manner in opposite directions, and wherein the cam control surface is configured such that a bristle support segment driven by the cam control surface obtains a maximum stroke position in the neutral position of the bristle support while occupying a minimum stroke position when displacement of the bristle support from its neutral position is at a maximum.
- 8. (Previously Presented) The brush head of claim 1 wherein the bristle support has a neutral position from which the bristle support is drivable in oscillatory manner in opposite directions, and wherein the cam control surface is configured such that a bristle support segment driven by the cam control surface obtains a minimum stroke position in the neutral position of the bristle support while occupying a maximum stroke position when displacement of the bristle support from its neutral position is at a maximum.

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9. (Previously Presented) The brush head of claim 1 wherein multiple ones of the bristle support segments are raised by corresponding cam control surfaces according to a given timed sequence.

## 10. (Canceled)

- 11. (Currently Amended) The brush head of claim 1 10 wherein the second axis is a swivel axis that extends in a radial direction, such that bristles on the bristle support segment mounted for swivel movement about the swivel axis swivel in a plane tangential to a circumferential direction of the bristle support.
- 12. (Currently Amended) The brush head of claim 1 10 wherein the second axis is a swivel axis that extends in a direction transverse to the bristle support segment mounted for swivel movement about a swivel axis, such that bristles on that bristle support segment swivel in a direction parallel to a radial plane containing an axis of rotation of the bristle support.
- 13. (Previously Presented) The brush head of claim 1 wherein the cam control surface comprises a surface of the brush head support.
- 14. (Previously Presented) The brush head of claim 1 wherein the cam control surface is formed by an element separate from, and fixedly connected with, the brush head support.
- 15. (Previously Presented) The brush head of claim 1 wherein the engagement element forms a curved engagement surface that is curved in a same direction as, and with about the same curvature radius as, the cam control surface.
- 16. (Previously Presented) The brush head of claim 1 wherein the cam control surface includes at least two concave depressions and a protuberance connecting said depressions, and

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wherein the engagement element forms a curved engagement surface whose curvature corresponds approximately to one of said depressions.

17. (Previously Presented) The brush head of claim 1 wherein the driving elements and the movable bristle support segments lie approximately along a longitudinal axis of the brush head when the bristle support is in a non-displaced position.

- 18. (Previously Presented) The brush head of claim 1 wherein each bristle support segment that cooperates with the cam control surface includes bristles that differ in kind from other bristles of the brush head.
- 19. (Previously Presented) The brush head of claim 1 wherein each bristle support segment that cooperates with the cam control surface forms a radially outer peripheral portion of the bristle support and carries radially outer bristles.
- 20. (Previously Presented) The brush head of claim 1 wherein the bristle support includes at least one rigid, immovable bristle support segment having bristle tufts secured thereto.
  - 21. (Currently Amended) A toothbrush comprising
  - a handpiece,
  - a motor disposed within the handpiece; and
  - a brush head comprising
    - a brush head support;
- a bristle support connected to the motor, the bristle support carrying an array of bristles and mounted for movement on the brush head support, said bristle support comprising multiple bristle support segments movable relative to each other, the multiple bristle support

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segments including a first support segment that rotates about a first axis, and a second support segment that rotates about the first axis and that selectively swivels about a second axis; and

driving elements that change the position of the movable bristle support segments relative to each other as a function of a position of said bristle support,

wherein said driving elements are provided on the brush head support and at least one of the bristle support segments and comprise a cam control surface and an engagement element cooperating therewith.

- 22. (Previously Presented) The brush head of claim 1 adapted to be releasably attached to a handpiece of an electric toothbrush.
- 23. (Previously Presented) The brush head of claim 2 wherein the bristle support is adapted to be driven in an oscillatory rotational motion.
- 24. (Currently Amended) The brush head of claim 2 wherein the first axis of rotation lies in a direction transverse to a longitudinal axis of the brush head.
- 25. (Previously Presented) The brush head of claim 2 wherein the cam control surface is formed on the brush head support.
- 26. (Previously Presented) The brush head of claim 3 wherein the bristle support segments adapted to be driven in dependence upon the rotary position of the bristle support include one pair of bristle support segments arranged at diametrically opposite sides of the bristle support.
- 27. (Previously Presented) The brush head of claim 13 wherein the cam control surface is formed directly by a section of a bristle support mounting structure of the brush head support.

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28. (Previously Presented) The brush head of claim 18 wherein each bristle support segment that cooperates with the cam control surface carries bristles that protrude, in a longitudinal direction of the bristles, beyond other bristles of the brush head.

- 29. (Previously Presented) The brush head of claim 18 wherein each bristle support segment that cooperates with the cam control surface carries bristles of greater stiffness than other bristles of the brush head.
- 30. (New) The brush head of claim 1 wherein the first axis is perpendicular to the second axis.